

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P674711

Luminaire Tested: **CCP-SA-2D-740-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674711
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-740-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

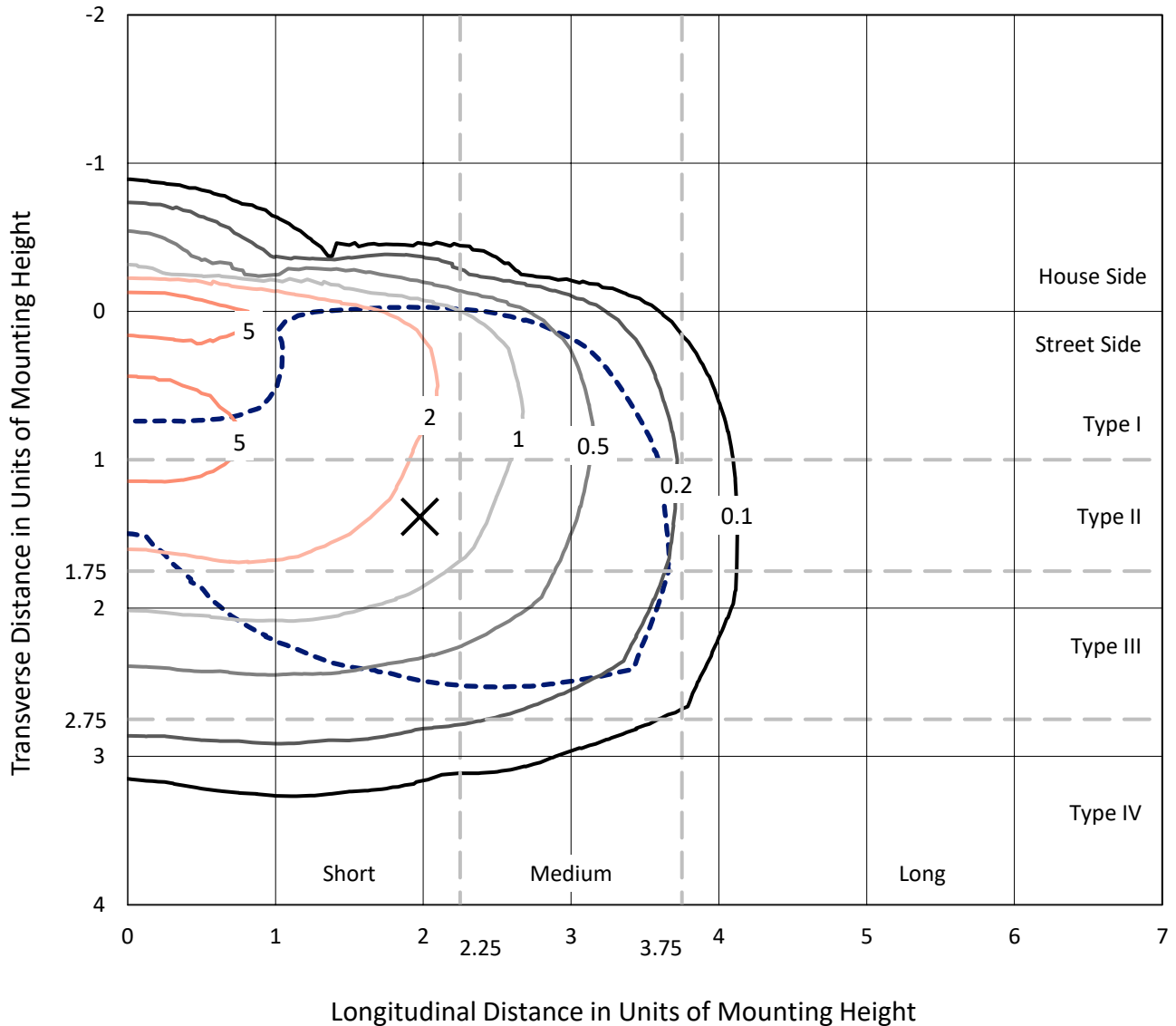
Lumens per Lamp: N/A
Luminaire Lumens: 8845.2 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

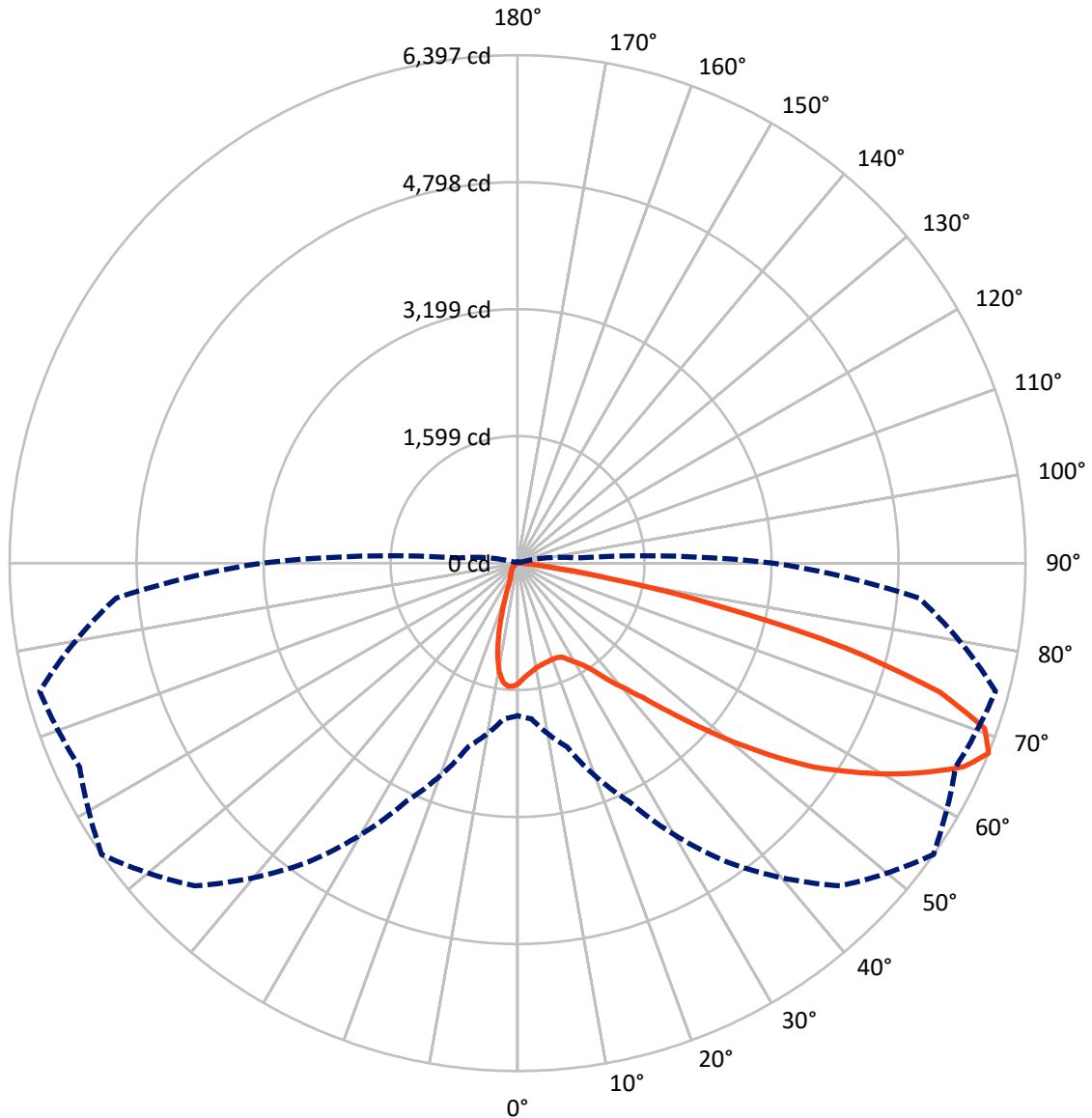
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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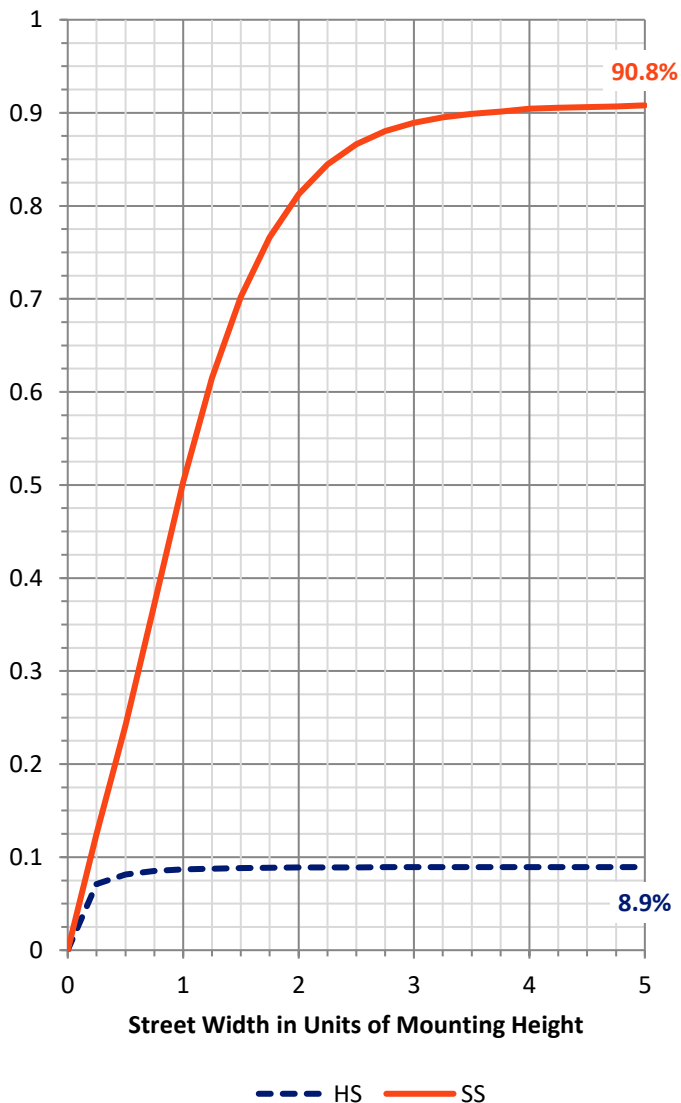
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	794.6	0.0	794.6
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	8050.6	0.0	8050.6
	% Fixture	91.0	0.0	91.0
Total	Lumens	8845.2	0.0	8845.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	1.5
10°-20°	302.9	3.4
20°-30°	486.0	5.5
30°-40°	842.8	9.5
40°-50°	1405.4	15.9
50°-60°	2055.1	23.2
60°-70°	2396.3	27.1
70°-80°	1162.9	13.1
80°-90°	60.8	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8845.2	100.0
0°-180°	8845.2	100.0



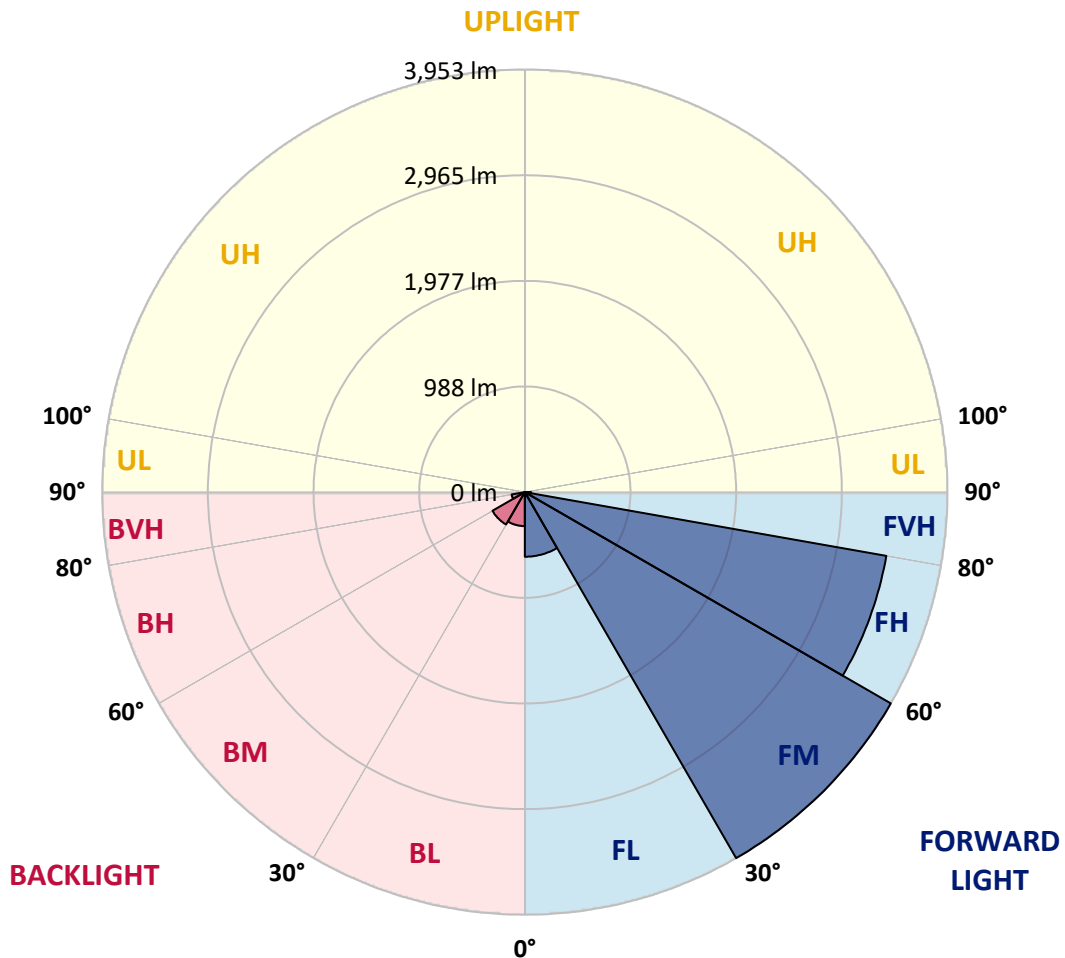
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	604.2	6.8			
FM (30°-60°)	3953.5	44.7			
FH (60°-80°)	3433.8	38.8			G2/5000
FVH (80°-90°)	59.0	0.7			G1/100
BL (0°-30°)	317.6	3.6	B1/500		
BM (30°-60°)	349.8	4.0	B1/1000		
BH (60°-80°)	125.3	1.4	B1/500		G1/500
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1515.8	1515.8	1515.8	1515.8	1515.8	1515.8	1515.8	1515.8	1515.8	1515.8	1515.8
2.5°	1399.3	1408.2	1419.6	1423.7	1437.6	1457.1	1451.4	1447.4	1469.4	1499.5	1509.3
5°	1312.1	1312.9	1330.8	1343.9	1367.5	1386.2	1406.6	1405.0	1444.9	1496.3	1528.8
7.5°	1226.5	1228.1	1246.9	1267.3	1301.5	1338.2	1369.1	1367.5	1431.9	1500.3	1562.3
10°	1114.0	1122.2	1145.0	1180.9	1234.7	1292.5	1335.7	1339.8	1417.2	1515.8	1607.9
12.5°	1023.6	1027.7	1052.9	1099.4	1162.9	1238.7	1319.4	1317.0	1420.5	1544.3	1667.4
15°	985.3	982.8	998.3	1032.5	1105.1	1200.4	1303.1	1308.8	1431.9	1576.9	1729.3
17.5°	994.2	991.8	999.9	1012.2	1063.5	1168.6	1294.1	1303.9	1449.8	1611.2	1787.2
20°	1093.7	1076.6	1061.9	1048.8	1056.2	1142.6	1288.4	1299.0	1460.4	1637.2	1848.3
22.5°	1285.2	1264.0	1224.9	1152.3	1104.3	1144.2	1290.1	1303.9	1484.0	1679.6	1922.5
25°	1597.3	1576.9	1493.0	1344.7	1217.5	1202.9	1312.1	1326.7	1538.6	1744.0	2001.5
27.5°	2010.5	1964.8	1863.0	1650.3	1405.0	1296.6	1378.1	1394.4	1616.0	1793.7	2055.3
30°	2353.6	2343.0	2245.2	1984.4	1663.3	1434.3	1452.2	1461.2	1651.1	1823.9	2109.1
32.5°	2709.7	2687.7	2598.1	2344.6	1963.2	1630.7	1535.4	1539.4	1696.7	1868.7	2187.3
35°	3019.4	2999.0	2924.0	2677.9	2313.6	1894.8	1673.1	1664.1	1791.3	1967.3	2293.3
37.5°	3306.3	3303.8	3237.8	2986.8	2628.2	2168.6	1876.0	1868.7	1938.8	2075.7	2436.7
40°	3586.6	3580.1	3523.9	3294.9	2937.9	2441.6	2069.2	2050.4	2064.3	2227.3	2625.8
42.5°	3758.6	3772.4	3792.0	3646.9	3305.4	2761.9	2313.6	2302.2	2299.8	2464.4	2874.3
45°	3851.5	3875.9	3990.8	3977.8	3695.0	3160.4	2661.6	2632.3	2622.5	2790.4	3158.8
47.5°	3941.9	3952.5	4140.8	4219.8	4068.2	3576.0	3082.1	3041.4	3001.5	3188.1	3498.6
50°	3947.6	3964.7	4197.8	4390.1	4381.2	3985.1	3554.0	3518.1	3472.5	3672.2	3830.3
52.5°	3867.8	3902.0	4190.5	4497.7	4575.1	4346.1	4043.8	4014.5	3977.0	4126.1	4109.8
55°	3316.0	3373.9	4047.1	4507.5	4711.2	4655.8	4536.0	4495.3	4458.6	4564.5	4383.6
57.5°	3053.6	3086.2	3611.9	4500.2	4884.8	4942.7	4963.1	4944.3	4893.0	5025.0	4669.7
60°	2896.3	2943.6	3404.1	4418.7	5072.3	5267.0	5395.0	5357.5	5294.7	5476.5	4976.1
62.5°	2708.1	2742.3	3197.1	4184.0	5183.9	5597.1	5800.0	5765.8	5636.2	5892.9	5223.8
65°	2360.9	2412.3	2867.8	3814.8	5034.0	5839.1	6181.4	6170.0	5945.1	6207.5	5291.5
67.5°	1921.7	1968.1	2392.7	3308.7	4595.5	5748.7	6397.4	6361.5	6085.2	6231.1	5077.2
70°	1442.5	1467.7	1788.0	2528.0	3765.1	5265.4	6240.9	6233.6	5872.5	5880.7	4419.5
72.5°	774.2	844.3	1189.0	1691.8	2647.8	4264.6	5562.0	5532.7	5239.3	4816.4	3178.3
75°	270.6	290.9	633.2	950.2	1438.4	2840.9	4276.9	4208.4	3918.3	3132.7	1731.8
77.5°	166.3	182.5	281.2	485.7	559.9	1233.0	2569.5	2480.7	2293.3	1354.4	591.7
80°	114.9	129.6	188.3	254.3	190.7	399.3	1182.5	1149.1	884.2	322.7	136.1
82.5°	64.4	77.4	142.6	124.7	76.6	103.5	409.9	379.8	235.5	87.2	45.6
85°	37.5	44.8	100.2	88.0	39.1	36.7	106.8	95.3	61.1	32.6	22.0
87.5°	19.6	25.3	73.3	58.7	23.6	13.0	24.4	23.6	15.5	11.4	14.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1515.8	1515.8	1515.8	1515.8	1515.8	1515.8	1515.8	1515.8	1515.8	1515.8	1515.8
2.5°	1527.2	1523.1	1544.3	1551.7	1550.0	1546.8	1554.9	1544.3	1543.5	1541.1	1538.6
5°	1554.9	1561.4	1578.6	1578.6	1555.7	1518.3	1495.4	1464.5	1438.4	1422.9	1420.5
7.5°	1596.5	1609.5	1620.9	1585.9	1507.7	1414.8	1316.1	1238.7	1171.1	1136.0	1132.8
10°	1655.2	1667.4	1658.4	1558.2	1390.3	1198.0	1037.4	876.1	795.4	751.4	751.4
12.5°	1725.3	1735.0	1680.4	1488.9	1197.2	918.5	704.1	534.6	453.9	401.8	398.5
15°	1801.0	1803.5	1677.2	1368.3	958.4	616.9	404.2	296.6	262.4	255.1	253.5
17.5°	1867.1	1857.3	1642.9	1189.8	690.3	367.5	256.7	232.3	225.7	225.7	225.7
20°	1929.0	1896.4	1574.5	982.0	442.5	250.2	220.9	214.3	214.3	215.1	215.1
22.5°	1997.4	1933.1	1476.7	751.4	284.4	214.3	207.0	203.7	202.9	205.4	204.6
25°	2078.1	1968.9	1336.5	519.1	220.0	199.7	196.4	193.1	193.1	193.1	193.1
27.5°	2122.9	1964.0	1176.8	327.6	192.3	185.0	181.7	178.5	176.0	175.2	176.0
30°	2162.1	1935.5	968.2	229.0	173.6	165.4	163.0	158.9	154.0	152.4	152.4
32.5°	2213.4	1911.9	749.8	184.2	157.3	148.3	141.0	134.5	126.3	123.1	122.2
35°	2270.5	1868.7	549.3	162.2	142.6	131.2	119.8	109.2	98.6	95.3	94.5
37.5°	2341.4	1829.6	372.4	150.0	130.4	116.5	101.1	86.4	76.6	75.0	75.0
40°	2437.5	1797.0	257.5	139.4	119.0	102.7	83.9	68.5	61.9	60.3	60.3
42.5°	2568.7	1770.1	194.8	130.4	109.2	88.8	67.6	56.2	51.3	49.7	49.7
45°	2723.6	1728.5	164.6	122.2	99.4	75.0	56.2	47.3	44.8	44.8	44.8
47.5°	2901.2	1676.4	150.0	114.1	88.8	61.1	47.3	43.2	42.4	42.4	43.2
50°	3080.5	1614.4	139.4	104.3	76.6	52.2	43.2	40.7	40.7	41.6	41.6
52.5°	3201.9	1517.4	128.8	93.7	64.4	45.6	40.7	39.9	39.1	39.1	39.1
55°	3320.1	1432.7	114.1	82.3	53.8	42.4	39.1	38.3	38.3	37.5	37.5
57.5°	3443.2	1365.9	95.3	68.5	45.6	39.9	37.5	37.5	35.9	35.0	35.0
60°	3585.8	1307.2	73.3	53.8	39.9	37.5	35.0	34.2	32.6	31.0	31.0
62.5°	3627.4	1183.3	55.4	43.2	34.2	32.6	31.8	30.2	26.1	22.8	23.6
65°	3519.0	988.5	44.0	34.2	27.7	27.7	25.3	21.2	17.1	14.7	14.7
67.5°	3219.9	738.3	35.9	26.9	22.0	21.2	17.9	15.5	10.6	9.0	9.0
70°	2653.5	488.2	29.3	21.2	17.9	14.7	12.2	11.4	8.1	6.5	6.5
72.5°	1859.7	264.9	24.4	17.1	13.0	9.8	8.1	7.3	5.7	4.9	4.1
75°	982.0	101.9	19.6	13.0	8.1	6.5	4.9	4.9	4.1	3.3	3.3
77.5°	336.6	43.2	13.9	7.3	5.7	4.1	3.3	2.4	3.3	2.4	2.4
80°	79.9	25.3	9.0	4.9	3.3	2.4	2.4	1.6	1.6	1.6	1.6
82.5°	35.0	14.7	5.7	3.3	3.3	2.4	1.6	0.8	0.8	0.8	0.8
85°	23.6	9.0	4.1	3.3	2.4	1.6	0.8	0.8	0.0	0.0	0.0
87.5°	18.7	5.7	3.3	3.3	2.4	1.6	0.8	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)